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6. (Amended) A method according to claim 1 including providing a local oscillator for determining the Doppler shifts.

7. (Amended) A method according to claim 1 wherein a portion of the illuminating radiation is used as a local oscillator in detecting Doppler shifts.

A3  
9. (Amended) A method according to claim 7 wherein the local oscillator comprises radiation back diffracted from a diffracting surface.

10. (Amended) A method according to claim 6 wherein the local oscillator is focused on a sensor used to detect the Doppler shifts.

A4  
12. (Amended) A method according to claim 1 wherein the position is comprised in an area illuminated by radiation, said area comprising an entrance side at which a sheet enters the area and an exit side at which the sheet leaves the area.

A5  
15. (Amended) A method according to claim 12 wherein the arrival of an edge is determined by Doppler energy produced at said entrance side of said area by a leading edge of said sheet.

16. (Amended) A method according to claim 12, wherein a trailing edge is determined by a cessation of detection of Doppler energy from said exit side of said position from a trailing edge of said sheet.

17. (Amended) A method according to claim 12 wherein the position has an extent between entrance and said exit side.

21. (Amended) A method according to claim 12 and including detecting the presence of a non-moving sheet between the entrance and exit.

A6  
22. (Amended) A method according to claim 12 and including measuring the velocity of the sheet.

23. (Amended) A method according to claim 12 and including measuring the distance the sheet translates.

24. (Amended) A method according to claim 4 wherein the radiation is IR radiation.

25. (Amended) A method according to claim 4 wherein the radiation is laser illumination.

26. (Amended) A method according to claim 1 wherein the time at which a sheet enters the position is determined to an accuracy better than about 0.5 mm/V sec, where V is the velocity of the sheet.

#### REMARKS

The present application is a U.S. national application of PCT/IL99/00467. The application contains claims 1-27 as attached to the International Preliminary Examination Report. The present amendment amends claims 3-7, 9, 10, 12, 15-17 and 21-26 to remove multiple dependencies and place the application in proper US form. Applicants point out that the IPER also contains amended description pages 6-8.

Applicants note that the claims were indicated as meeting the criteria of PCT Article 33(2)-33(4) in the IPER issued by the European Patent Office (acting as IPEA).

A marked-up version of the amended claims is attached hereto.

An action on the merits is respectfully awaited.

Respectfully submitted,  
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